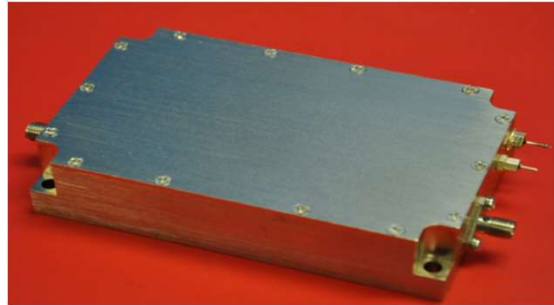


RF Amplifier

- * Operating Frequency : 30-512 MHz.
- * Output Power : 10 W Typical
- * Gain : 37 dB.
- * Single, Regulated +28V Supply
- * No external components required
- * Internal DC-DC converter



Description: Fiber Drivers, Test Instrumentation, All Purpose Power Amp

ELECTRICAL SPECIFICATION @ VDD= +28 VDC, Temp. = 25°C, 50Ω System

Parameter	Symbol	Min	Typ	Max	Unit
Operating Frequency	BW	30		512	MHz.
Gain	G	36	37		dB.
Gain Flatness	Δ G		±1.0	±1.5	dB.
Power Added Efficiency	PAE		30		%
Output Power	Pout		10		W
VSWR in	S11		2.0:1	2.5:1	ratio
Operating Voltage	Vdc		28		Volts
Operating Current	Idq		1.2		A

MECHANICAL SPECIFICATION

Parameter	Description	Limits	Units
Dimension	4.0 x 2.5 x 1.0		inches
RF Connectors IN/OUT	SMA-F		
DC Connector	Filtered DC		
Enable Pin	YES		

PROTECTIONS

	Max	
Maximun RF Input Power	7	dBm.
Input Voltage Range	27V to 30V	
Reverse Polarity Protection	No	
Load VSWR	5:01	RATIO
Stability	Unconditional	

ENVIROMENTAL CHARACTERISTICS

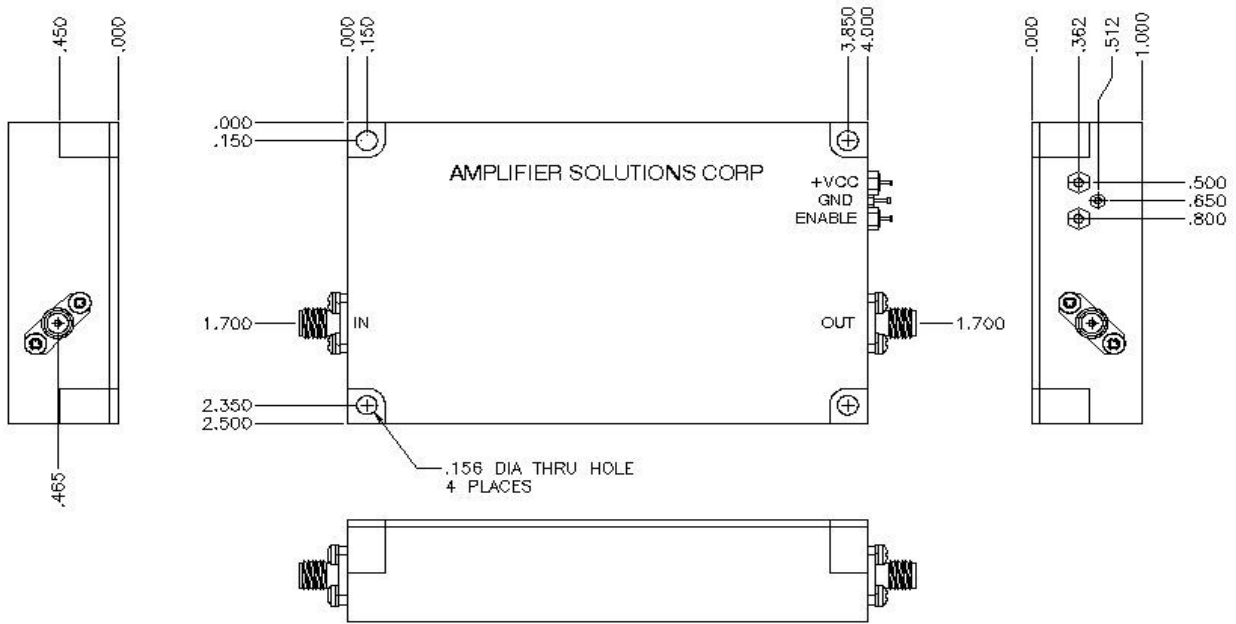
Parameter	Symbol	Min.	Typ.	Max	Units
Operating Case Temperature	Tc	0		55	°C
Storage Temperature	Tstg	-55		150°C	°C

3009 Old State Road, Telford, PA 18969

Web: www.amplifiersolutions.com
 Email: sales@amplifiersolutions.com

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 Fax: 215-799-2563

Outline

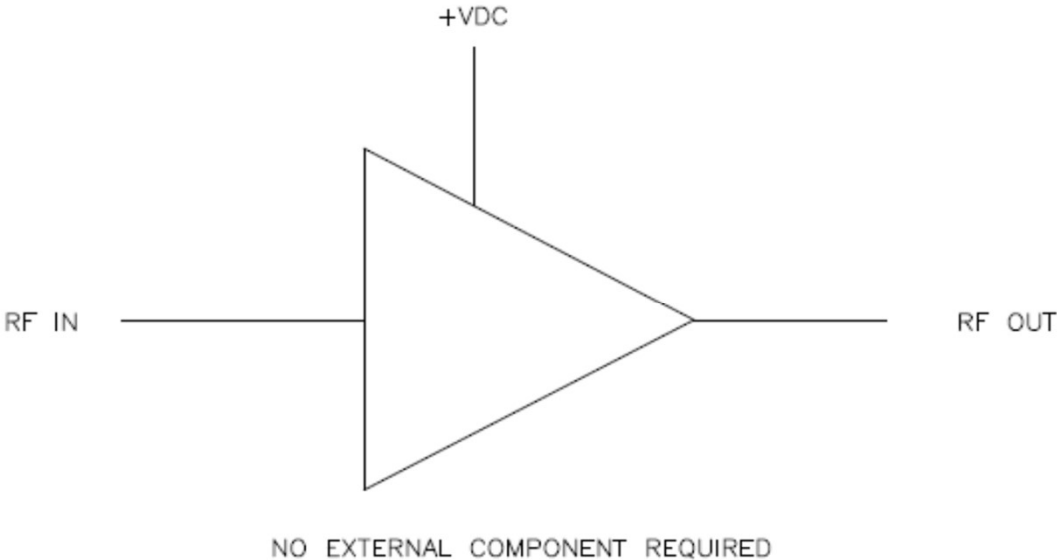


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FUNCTIONAL BLOCK DIAGRAM



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